to charges on account of certain temporary establishments, formerly debited to this head, having been transferred to "B. *I. c*," and under V (Rs. 1,472) to smaller payments to Khots in Kolába.

116. The increase under VII (Rs. 1,449) and under VIII. (Rs. 15,906) is mainly owing to charges for the construction of forest watch-houses and the Sirsi Divisional Forest Office; for the topographical survey; for forest organization; and for specially protecting certain jungles from fire.

B.—ESTABLISHMENT.

117. The general increase under B., amounting to Rs. 3,341, is owing to the promotion of a 1st grade Assistant-Conservator to the 4th grade of Deputy-Conservator; to certain charges on account of temporary establishments debited to "*I. c.*"; and to charges on account of forest subordinates' uniform.

118. The following shows the value, calculated at seigniorage rates, of the forest produce granted free :—

No.	Collectorate.	1887-88.	1888-89.
		Rs. a. p.	Rs. a. p.
1	Kánara	18,796 12 8	15,225 10 9
2	Belgaum	1,151 8 7	130 7 5
3	Dhárwár	1,163 12 0	.....
4	Bijápur	.....	.....
5	Kolába	1,007 0 0	94 0 0
6	Ratnágiri	.....	.....
	Total ...	22,119 1 3	15,450 2 2

CHAPTER VI.

GENERAL REMARKS.

FINANCIAL PROSPECTS.

119. The slight fall in the net revenue of the Circle,—amounting to Rs. 27,385, if the difference of the outstanding balances be taken into account,—is not likely to continue. There are signs of increased activity in the wood-market; even the last Kárwár-sales have gone off well, and the results of a rough estimate of the sustained yield of the forests of the Northern Division of Kánara warrant our raising the outturn of teak for the Haliyál-depôt from about 120,000 cubic feet to about 200,000.

120. In addition to this possible increase in the outturn, an increasing demand for junglewood generally is observable, and a better demand for *heddi* is springing up for export to the coast-towns, probably for use as fishing-stakes. The falling-off in the yield of fuel is, as I have already explained, owing to the difficulties encountered in the transport of fuel to the railway. Bámbus and grazing are also sources of increasing revenue: in fact the yield under every head is expanding, and an increase of a lákh of net revenue may be confidently looked forward to in the course of the next two years, provided efficient means are taken for the development of the resources of the forest. In order to effect this object, it will, in the first place, be necessary to construct a tramway (not necessarily a railway on the mètre-gauge, as a 20-inch tram worked by bullocks may possibly be more economical) from Nágargáli, or from Haliyál, or Alnáwar, to Pótóli, a distance of 21 miles for the Nágargáli or Haliyál-route, and of 28 for the Alnáwar-line. Secondly, about 10 miles of tram will be required for the working of the fuel to be supplied to the Southern Marátha Railway, unless the Company undertakes the work itself.

ESTABLISHMENTS.

121. The number of officers on the superior establishment is only just sufficient to meet the requirements of the Circle, if none take leave. I think that three new trained Assistants should now be posted to the Circle. An officer is not competent to hold charge of an important division until he has been three years in the country, so that one joining now might not be really fit to take the place of an officer going on leave for several years, and, in the mean time, there is nobody to take the latter's place. The following statement shows the number of officers in the Circle, the leave which is due to them, and the number of years since they took furlough :—

Name of Officer.	Date of last return from furlough.	Pensionable service, years in round numbers.	Furlough earned, months in round numbers.	Remarks.
J. L. L. MacGregor ...	October 1883 ...	18	30	One-fourth active service, less 19 months' furlough taken.
G. A. Hight...	May 1886 ...	17	16	One-fourth active service, less 28 months' furlough taken.
G. K. Betham	November 1879 ...	20	20	One-ninth active service, less 6 months' furlough taken.
W. A. Talbot	May 1887	13	21	One-fourth active service, less 14 months' furlough taken.
W. R. Woodrow	.....	11	33	One-fourth active service. No furlough taken.
H. Murray	.....	7	21	Do. do.
T. R. D. Bell	.....	5	15	Do. do.
R. P. Ryan	.....	...	...	6 years' service. No leave taken.
E. G. Oliver	.....	...	...	2 years' service. No leave taken.

FREE GRANTS.

122. It appears from the 18th and 19th paragraphs of his review of my last administration report, that the Commissioner, S. D., misunderstood the meaning of my remarks in respect to the issue of free grants of wood. My object was, in reality, to facilitate the issue of timber to rayats when only required in small quantities, as is generally the case. No mention was made in the report regarding the mode of granting *firewood* free, and I did not suggest any alteration in the present regulations in regard to that commodity. I think this is clear from my remarks in paragraphs 116—120 of that report.

123. What I objected to was the abuses caused by allowing people to help themselves to *timber* without previous sanction. I did not wish it to be inferred from what I wrote (and I do not understand how the inference was possible) that I advocated a curtailment of privileges, but that their exercise should be regulated (without any real hardship to the people concerned) in such a manner that less loss should accrue to the State, and sylviculture, and organization receive that degree of consideration which the due maintenance of the forests appeared to me to demand.

HEALTH, &c., OF OFFICERS AND MEN.

124. The general health of the officers was fair, but Messrs. Bell and Oliver, and all those engaged in organization under them, suffered much from fever, and both the officers named were attacked by dysentery.

125. In the subordinate ranks, fever is always epidemic during the working-season, and probably 25 per cent. of the guards are always incapacitated for work at that time of the year.

126. I am greatly pleased to be able to report favourably on the work of the superior officers serving in the Southern Circle, with the exception of that of Mr. H. Mitra, Sub-Assistant Conservator, who evinced no interest in his work and whose conduct was not satisfactory.

127. The divisional officers have specially brought to my notice the good work done by the following officers :—

Mr. Sátárávála	...	... Acting Sub-Assistant.
Mr. Babaji Jotiba	...	... Forester.
Mr. Ganpat Rege	...	... Ranger.
Mr. Gopal Swamirao	...	... Forester.
Mr. Mahableshvar Nagapa		... Forester.

ITINERARY.

128. On 1st April my camp was at Nágargáli in the Belgaum Division, where I saw the fuel-cuttings for the railway.

129. On the 6th I proceeded to Hemádge, Talewádi, Anmód, and Jagalbet in the Northern Division of Kánara, where I arrived on the 25th and met the Divisional Forest Officer.

130. From Jagalbet, I went to Birchi, Haliyál, Máinál, and Belgaum, where I arrived on the 21st May.

131. On the 17th November, I left Belgaum for Bádámi, where I met the Divisional Officer of Bijápur and inspected with him a portion of the area in the Bádámi and Bágalkot-Tálukas, which it is proposed to take up for "fuel and fodder reserves". On the 8th December, I reached Dámbal in Northern Dhárwár, and proceeded *viâ* Sortur, Lakshmeshvar and Sávanúr to Dundshi, where Christmas was spent with the Divisional Officer, Dhárwár. On the 4th January, I moved Camp to Sanvalli, and to Pálá on the 9th.

132. On the 12th, I left the Central Division of Kánara and entered the Southern Division proceeding down the Ghâts *viâ* Yekambi, Sirsi, Sampkhand, Devimani, Kátgál and Chandawar to Honávar in the Honávar Táluka, inspecting on the way certain areas proposed for reserves by Mr. Wingate. On the 27th I left Honávar for Kumta and Sántgál, inspecting on the way the areas in the Kumta-Táluka proposed for reserves by Mr. Wingate, whom I met at Kumta.

133. From Sántgál, I marched up the Nilkund Ghát to Sirsi, where I arrived on the 6th February, and met the Divisional Officer, Southern Division, Kánara.

134. With him, I went to Sóndá and Manchikeri in the Sirsi-Táluka where I inspected areas proposed for reserves by Mr. Wingate, proceeding on the 20th to Yellápur in the Central Division of Kánara. After inspecting the teak-forests about Ganeshgudi, I moved on to Bomanhalli and Virnóli, where I met Mr. Bell, Assistant Conservator for organization, on the 8th March.

135. From Virnóli I marched to Lónda, and took train for Bombay where I arrived on the 19th.

136. From Bombay, I went to Uran and Alibág, where I met the Divisional Officer, returning to Bombay on the 30th March, where I remained until the end of the month.

J. L. L. MacGREGOR,
Conservator of Forests, Southern Circle.

Conservator's Office, Southern Circle:
Dated Belgaum, 16th November 1889.

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LIST OF STATEMENTS ACCOMPANYING THE FOREST ADMINISTRATION REPORT OF THE CONSERVATOR OF FORESTS, SOUTHERN CIRCLE, FOR 1888-89.

A.	Statement showing the progress of the Forest Demarcation and Settlement work up to 1st April 1889.
Form No. 49	Area of Reserved Forests, 1888-89.
„ 49A.	Area of Protected Forests, 1888-89.
„ 50	Prosecution for breaches of Forest Rules during 1888-89.
„ 51	Area of Forest tracts protected from fire during the dry season of 1889.
„ 52	Area of Plantations, 1887-88.
„ 53	Trees felled by Government agency during the year 1888-89 (selection fellings).
„ 54	Outturn of timber and firewood during 1888-89.
„ 55	Outturn of minor produce, 1888-89.
„ 56	Account of timber and other produce cut or collected by Government agency and brought to sale depôts or sold locally during the year 1888-89.
„ 57	Abstract showing the value of timber and other produce at sale depôts for the year 1888-89.
„ 57A.	Abstract showing the value of dead-stock for the year 1888-89.
„ 58	Summary of revenue and expenditure of the different divisions during the year 1888-89.
„ 59	Account current for the year 1888-89.
„ 60	Revenue received and outstandings on account of revenue during 1888-89.
„ 61	Outstandings and liabilities on account of contractors and disbursers for 1888-89.
„ 62	Financial Results of the year 1888-89.

J. L. L. MacGREGOR,
Conservator of Forests, Southern Circle.